



Deepwater Horizon Incident, Gulf of Mexico

Region 6 REOC Update

Subject: Region 6 Update # 34
Deepwater Horizon Incident, Gulf of Mexico
Date: May 31, 2010
To: Incident Command
Thru: Planning Section
From: Situation Unit
Operational Period: May 28, 2010 0700 – May 31, 2010 0700
Reporting Period: May 30, 2010 1300 – May 31, 2010 1300

1. Background

Site Name: Deepwater Horizon Incident **FPN#:** N10036
Mobilization Date: 4/27/2010 **Start Date:** 4/28/2010

2. Current Situation

- The incident status summary as reported in the BP Situation Executive Summary as of 0600 on 5/31:
 - 15,918 personnel and 1,621 offshore vessels are currently responding to the incident.
 - Over 1.94 million feet of containment boom and 1.82 million feet of sorbent boom have been deployed.
 - Over 320,000 barrels of an oil-water mix have been recovered.
 - On 5/30, 8 controlled burns were conducted. A cumulative total of 104 controlled burns have been conducted.
 - On 5/30, booming and skimming operations were hampered by weather conditions.
 - On 5/31, BP plans to continue Top Cap operations by testing equipment, staging the third Top Hat on the sea bed, and begin cutting the riser.

Summary of Dispersant Data (from UC Situation Executive Summary)

	TOTALS for 5/31 (gal.)	CUMULATIVE TOTALS as of 5/31 (gal.)
Surface	17,631	744,207
Subsurface	14,974	212,991

2.1 (USCG) Incident Command Post (Houma, LA).

- On 5/30, the EPA Data Management Unit continued to process surface SMART data for NOAA and to assist NOAA with processing the daily deliverables of the Brooks McCall, Veritas, and Walton-Smith vessels.
- On 5/30, EPA met with the BP planning section to assist with development of a new document data coding plan based on EPA's data coding structures.
- On 5/30, an LSU sponsored submarine reported finding subsurface oil plumes at a depth of 400 feet containing large portions of oil.
- On 5/31, BP plans to conduct a test to determine the effectiveness and feasibility of using bagasse to protect marshes.

2.2 (USCG) Area Command Post (Robert, LA)

- On 5/30, EPA prepared briefing materials in anticipation of EPA Administrator Jackson's visit to the area beginning on 5/31.

2.3 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
 - Venice, LA - 29.25274 N, 89.35750 W - V02;
 - Boothville, LA - 29.31449 N, 89.38433 W - V03;
 - Fort Jackson, LA - 29.35699 N, 89.45487 W - V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
 - Poydras, LA - 29.86609, -89.89108 - C02 - located at Fire Station number 8;
 - Chalmette, LA - 29.96082, -90.00132 - C04 - located at Fire Station on Aycock St.
 - Hopedale, LA, - 29.84049, -89.68980 - C05 - located at Fire Station number 11.
- Each Venice and Chalmette air monitoring location has 4 pieces of air equipment:
 - EBAM (Particulate Monitors) - equipment has replaced DataRAM's;
 - AreaRae/MultiRae - monitoring VOCs;
 - PQ200 - samples for PM2.5;
 - SUMMA Canisters per location - sample for VOCs.
- EPA continues to conduct air monitoring and sampling in the Grand Isle operations area (VOCs)
 - Fourchon, LA - 29.21037N, -90.04979W - GI01 - Fourchon Beach, Fourchon, Lafourche Parish LA
 - Grand Isle, LA - 29.23613N, -89.9851W - GI02 - located at Grand Isle State Park
- Each Grand Isle air sampling locations is equipped with 1 Summa Canister for VOC sampling.
- Air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at the Mobile Command Posts in Venice and Chalmette.

- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters, REOC, and external response partners.
- A possible air monitoring exceedance for H₂S was noted at Location V02 at 1700 hours on 5/30. The possible exceedance is currently under review.
- On 5/29, the Grand Isle Air Sampling Team only deployed one Summa canister in the Fourchon and Grand Isle area, due to the second canister's valve malfunctioning. The canister was placed in the Grand Isle, Jefferson Parish, LA location, at the Grand Isle State Park on the eastern end of the Island. On 5/30, the Grand Isle Team collected the canister and packaged for shipment.
- On 5/30, the EBAM at location V02 shut down at 0248 due to electrical problems. The crew conducted repairs and successfully restarted the unit. Hourly averages were not recorded from 0200 to 0600.
- On 5/30, the Cocodrie Water Operations Team used a MultiRAE to conduct air monitoring during all sampling operations. The instrument read background levels of VOCs, LEL, CO, and O₂.

EPA summary of air monitoring/sampling activities:

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/31
Venice	3 locs/24-hr	3 locs/24-hr	3	3	6
Chalmette	3 locs/24-hr	3 locs/24-hr	4	3	7
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	308	180	

*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.
- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.
- On 5/30, Venice Water Operations Teams 1 and 2 focused on areas near the South Pass and Pass A Loutre. The teams collected 10 water samples and 5 oil sample from this area.
- On 5/30, the Cocodrie Water Operations Team collected 3 water samples and 1 oil sample from 5 locations in Timbalier/Terrebonne/Barataria Bays area.
- On 5/30, the Cocodrie Water Operations Team conducted reconnaissance for areas in which significant amounts of oil are accumulating from Grand Terre Island to Point Fourchon, LA.

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/30
Venice	15	0	15
Chalmette	0	0	0
Cocodrie	4	0	4
TOTAL TO DATE	207	71	

*QAQC samples not included in sample count

2.5 TAGA

- On 5/30, TAGA performed mobile monitoring for oil dispersant indicator compounds in southern LA from the Stennis Space Center to Lafitte, LA and Venice, LA. All observed dispersant indicator compounds were associated with a point source.
- On 5/31, TAGA will perform mobile monitoring for oil dispersant indicator compounds in Southern LA from the Stennis Space Center to Port Fourchon, LA and Grand Isle, LA.

2.6 ASPECT

- On 5/30, ASPECT documented oil in the marshland areas along the shoreline east and south of Venice, LA. ASPECT also observed light oil streaks approximately 20 miles south of the delta.
- On 5/30, ASPECT reported oil skimming operations north of the rig area.
- On 5/31, ASPECT is scheduled to examine the shore and marsh areas from Pass a Loutre to Japan Island. However, a line of thunderstorms is moving across the mid delta and will likely affect the target area. ASPECT will hold until these storms have moved out of the area.

2.7 Water Quality Protection Division Update

- A Water Quality Protection Division situation update was not provided today.

3. EPA Assets**3.1 Current Assets Deployed**

- Activated in Dallas, TX
 - REOC activated
 - SRICT activated
 - RRT activated

Deployed Personnel

Personnel	Dallas, TX	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Venice, LA	Cocodrie, LA	Grand Isle, LA	Slidell, LA	TOTALS
EPA										
- OSC	4	2	1		1	1	1	1		11
- RSC	13		1							14
- PIO		1								1
- Other	4	1		1						6
START	4	1	1		11	15	3	2		37
ERT Contractor										
TAGA Personnel									5	5
ASPECT Personnel									4	4
Other										
TOTALS	25	5	3	1	12	16	4	3	9	78

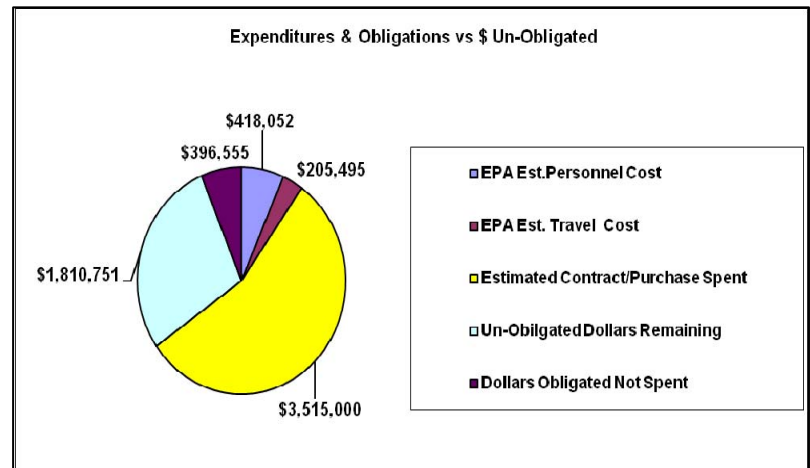
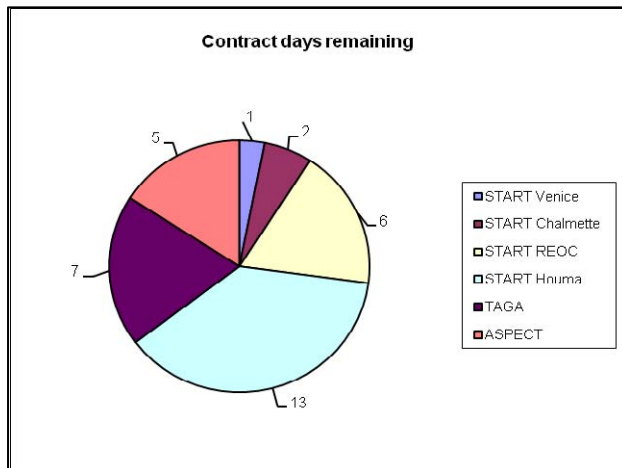
Deployed Equipment

Equipment	Dallas, TX	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Venice, LA	Cocodrie, LA	Grand Isle, LA	Slidell, LA	TOTALS
Mobile Command Post						1				1
ASPECT									1	1
TAGA Bus									1	1
LRV		1			1					2
Gooseneck Trailer						1				1
20 KW Generator						1				1
Boat (R7)							1			1

* One TAGA bus has been assigned to Region 4 Operations

4. Daily Cost Estimates

	Authorized Ceiling	EPA Est. Personnel Cost	EPA Est. Travel Cost	Estimated Contract/ Purchase Spent	TOTAL Estimated Expenditures	Balance (Ceiling minus Expenditures)	TOTAL Contract/ Purchase OBLIGATIONS.	Est. Daily Burn Rate	Un-Obligated Dollars Remaining	Dollars Obligated Not Spent
USCG PRFA FPN N10036 \$5,178,429 Total \$1,000,000 4/28/10 \$4,000,000 5/05/10 \$178,429.10 5/19/10	\$6,345,853	\$418,052	\$205,495	\$3,515,000	\$4,138,547	\$2,207,306	\$3,911,555	\$141,478	\$1,810,751	\$396,555
TOTAL OPA FUNDED	\$6,345,853	\$418,052	\$205,495	\$3,515,000	\$4,138,547	\$2,207,306	\$3,911,555	\$141,478	\$1,810,751	\$396,555
Region 6 Indirect Rate 13.12%	\$832,576									
Louisiana Total	\$7,178,429	\$418,052	\$205,495	\$3,515,000	\$4,138,547	\$2,207,306	\$3,911,555	\$141,478	\$1,810,751	\$396,555

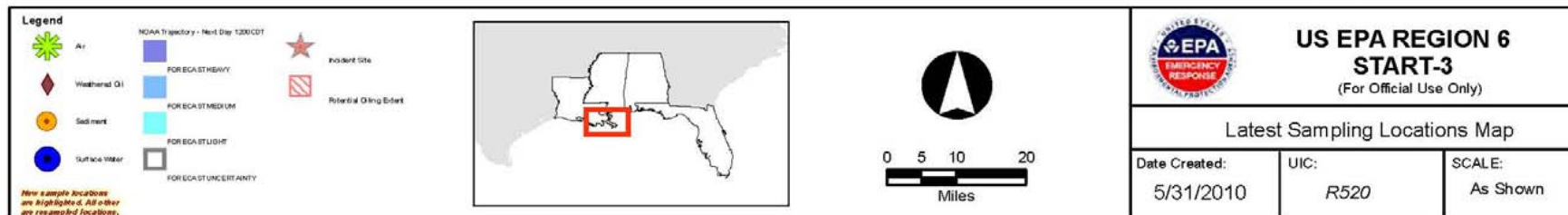
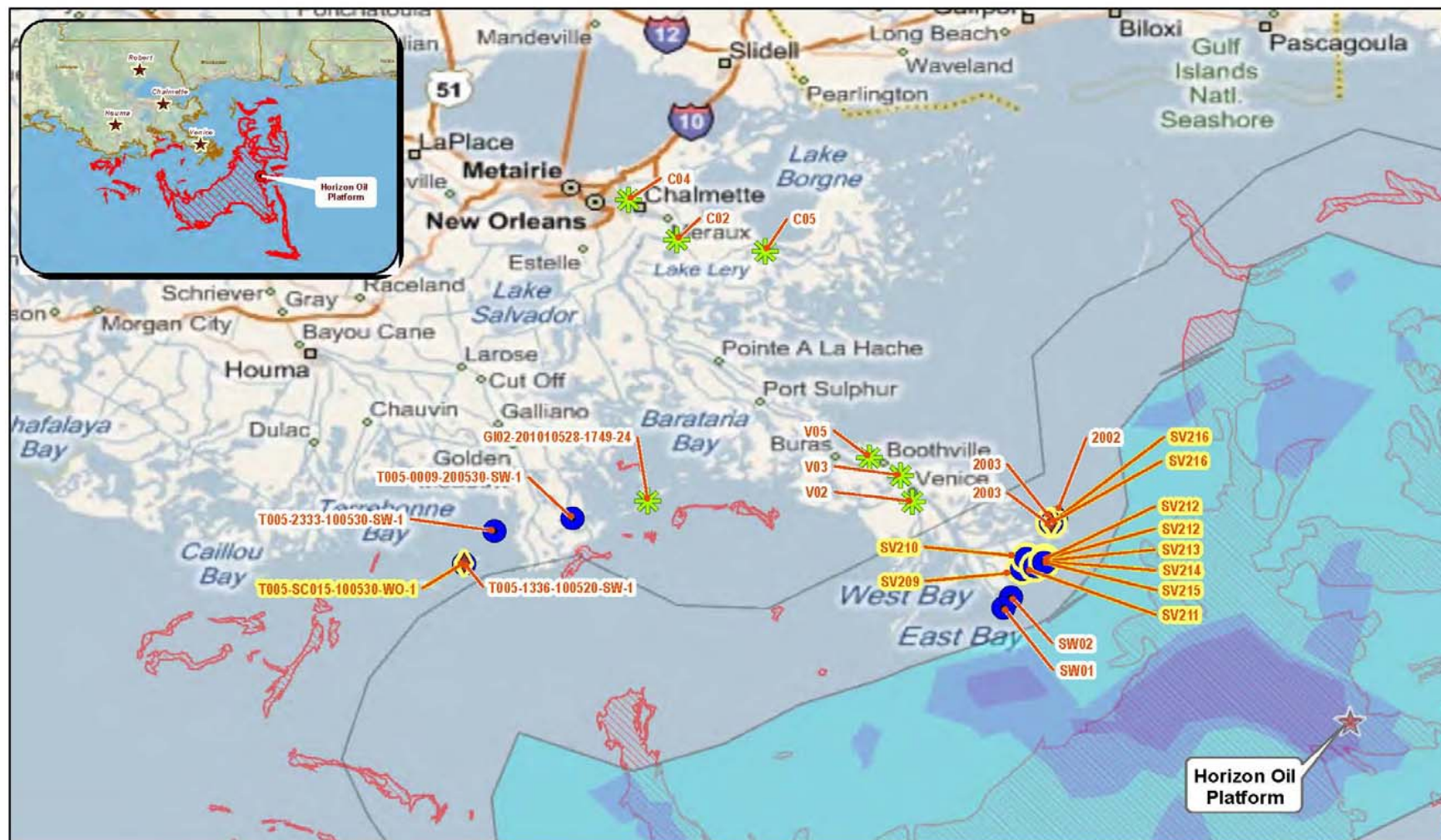


- On 5/30, Region 6 received reimbursable authority for the \$2 million amendment to the Pollution Removal Funding Authorization (PRFA), making the total PRFA to be \$7,178,429. Because the IFMS and EAS systems were down this weekend due to month end close-out, no Procurement Requests were processed. This results in Region 6 temporarily having a significant amount of money in the category of Un-obligated Funds. Procurement Requests have been prepared and are ready to be submitted to the system On 6/1, once the system comes on-line.



Figure 1 Aerial view from ASPECT of oiled marshland approximately 20 miles southeast of Venice, LA on 5/30.

Monitoring/Sampling Locations



Nearshore Surface Oil Forecast Deepwater Horizon MC252

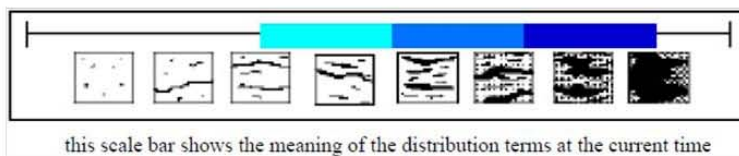
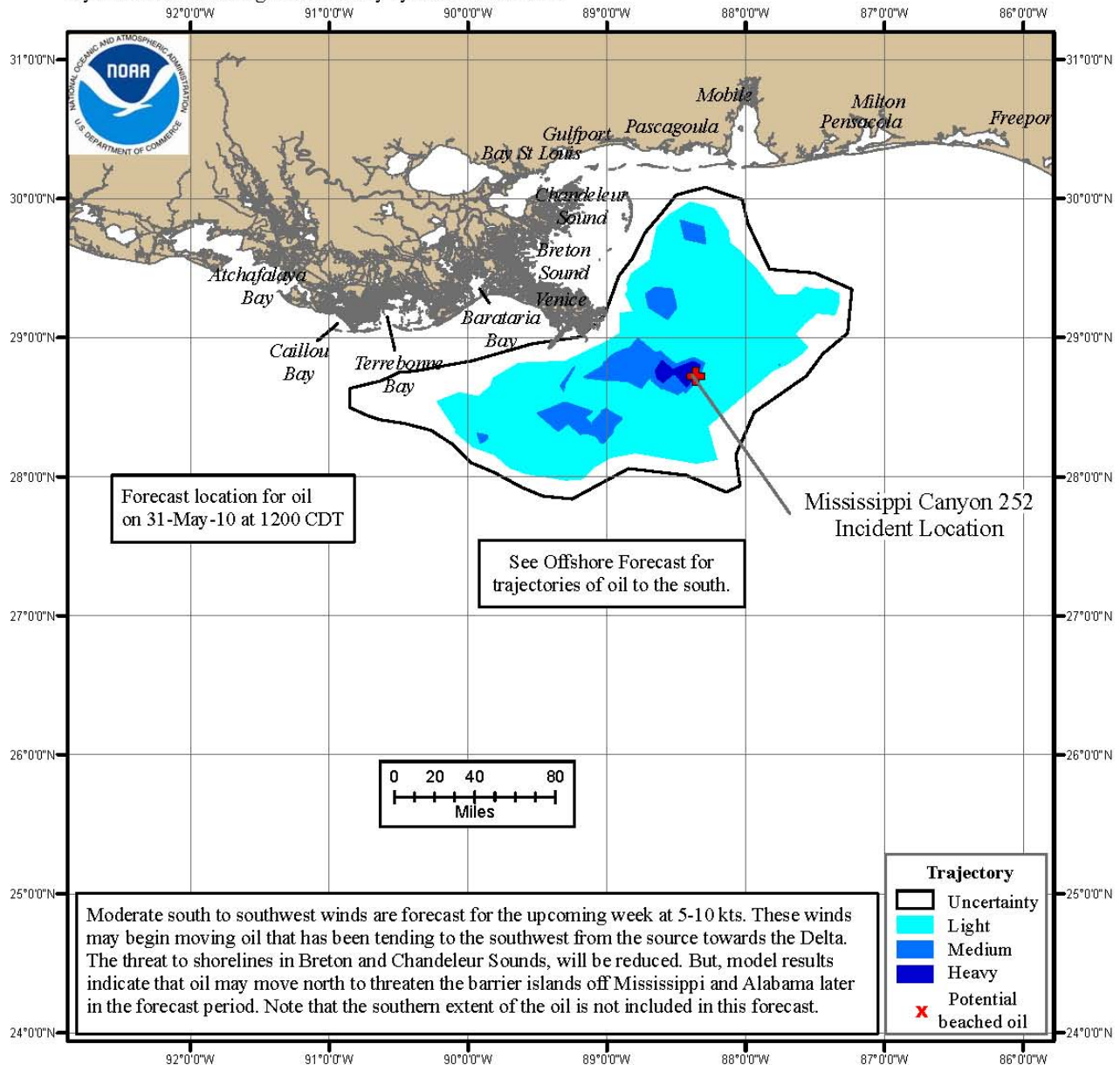
NOAA/NOS/OR&R

Nearshore

Estimate for: 1200 CDT, Monday, 5/31/10

Date Prepared: 2100 CDT, Sunday, 5/30/10

This forecast is based on the NWS spot forecast from Sunday, May 30 PM. Currents were obtained from several models (NOAA Gulf of Mexico, West Florida Shelf/USF, NAVO/NRL) and HFR measurements. The model was initialized from Saturday and Sunday satellite imagery analysis (NOAA/NESDIS) and overflight observations. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization). Oil near bay inlets could be brought into that bay by local tidal currents.



Next Forecast:
May 31st PM